Application No.: Amendment Dated:

10/550, 039 August 10, 2006

Page 2 of 12

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In the Claims

The following listing of claims will replace all prior versions and listings of claims in the application:

Claims

1. (Currently Amended) A compound of the formula (I), or a pharmaceutically-acceptable salt, or an in-vivo-hydrolysable ester thereof,

wherein -N-HET is selected from the structures-(la) to (lf) below:

wherein u and v are independently 0 or 1;

R1 is (1-4C)alkyl;

or R1 is selected from a substituent from the group

(R¹a) wherein R¹ is halogen, hydroxy, (1-4C)alkoxy, (2-4C)alkenyloxy, (2-4C)alkenyl, (2-4C)alkynyl (optionally substituted on the terminal carbon by CH₂=CH-, di(1-4C)alkylamino,

AR2, AR2a or AR2b, wherein AR2, AR2a and AR2b are defined hereinbelow), (3-

6C)cycloalkyl, (3-6C)cycloalkenyl, amino, (1-4C)alkylamino, di-(1-4C)alkylamino, (2-

4C)alkenylamino, (1-4C)alkyl-S₂O)q- (wherein q is 0, 1 or 2), (1-4C)alkylcarbonylamino, ; or R¹ is selected from the group

(R¹b) wherein R¹ is a (1-4C)alkyl group which is substituted by one substituent selected

10/550,039 Amendment Dated: August 10, 2006 BEST AVAILABLE COPY

Page 3 of 12

from hydroxy, halo, (1-4C)alkexy, amino, (1-4C)alkylamino, di(1-4C)alkylamino, cyano, azido, (2-4C)alkenyloxy, (1-4C)alkyl-S(O)q- (wherein q is 0, 1 or 2), AR1-S(O)q- (wherein q is 0, 1 or 2 and AR1 is defined hereimbelow), AR2-S(O)q- (wherein q is 0, 1 or 2), AR2a-S(O)q-(wherein q is 0, 1 or 2), benzyl-S(O)q- (wherein q is 0, 1 or 2), (3-6C)cycloalkyl, (3-6C)cycloalkenyl, (1-4C)alkyl-C/CO-NH-, (1-4C)alkyl-NHCO-O-, (1-4C)alkylaminocarbonyl, di(1-4C)alkylaminocarbonyl, H₂NC(≃NH)S-;

or R1 is selected from a group of formula (R1c1):-

(R¹c1) a fully saturated 4-membered monocyclic ring containing 1 or 2 heteroatoms independently selected from Ci, N and S (optionally oxidised), and linked via a ring nitrogen or carbon atom; or

or R1 is selected from the group

(R¹d) cyano, nitro, azido, fonnyl, (1-4C)alkylcarbonyl, (1-4C)alkoxycarbonyl, H₂NC(O)-, (1-4C)alkyINHC(O)-;

and wherein at each occurrence of an R1 substituent containing an alkyl, alkenyl, alkynyl, cycloalkyl or cycloalkenyl moiety in (R¹a), (R¹b) or (R¹c1) each such moiety is optionally further substituted on an available carbon atom with one, two, three or more substituents independently selected from F, Cl Br, OH and CN;

Q is selected from Q1 to Q6:

R₂ and R₃ are independently selected from H, F, Cl, CF₃, OMe, SMe, Me and Et; wherein B4 is O or S;

wherein T is selected from the groups in (TAa1) to (TAa12):

Application No.:
Amendment Dated:

Page 4 of 12

10/550,039 August 10, 2006

BEST AVAILABLE COPY

wherein:

R^{6h} is selected from hydrogen, (1-4C)alkyl, (1-4C)alkoxycarbonyl, (1-4C)alkanoyl, carbamoyl and cyano;

R^{4h} and R^{8h} are independently selected from hydrogen, halo, trifluoromethyl, cyano, nitro, (1-4C)alkoxy, (1-4C)alkylS(O)_q- (c_l is 0, 1 or 2), (1-4C)alkanoyl, (1-4C)alkoxycarbonyl, benzyloxy-(1-4C)alkyl, (2-4C)alkanoylamino, -CONRcRv and -NRcRv wherein any (1-4C)alkyl group contained in the preceding values for R^{4h} and R^{5h} is optionally substituted by up to three substituents independently selected from hydroxy (not on C1 of an alkoxy group, and excluding geminal disubstitution), oxo, trifluoromethyl, cyano, nitro, (1-4C)alkoxy, (2-4C)alkanoyloxy, hydroxyimino, (1-4C)alkoxyimino, (1-4C)alkylS(O)_q- (q is 0, 1 or 2), (1-4C)alkylSO₂-NRv-, (1-4C)alkoxycarbonyl, -CONRcRv, and -NRcRv (not on C1 of an alkoxy group, and excluding geminal disubstitution); wherein Rv is hydrogen or (1-4C)alkyl and Rc is as hereinafter defined;

10/550.039 Amendment Dated: August 10, 2006

Page 5 of 12

BEST AVAILABLE COPY

R⁴h and R⁵h may further be incependently selected from (1-4C)alkyl {optionally substituted by one, two or three substituents independently selected from hydroxy (excluding geminal disubstitution), oxo, trifluoromethyl, cyano, nitro, (1-4C)alkoxy, (2-4C)alkanoyloxy, phosphoryl [-O-P(O)(OH)2, and mono- and di-(1-4C)alkoxy derivatives thereof], phosphiryl [-O-P(OH)2 and mono- and di-(1-4C)alkoxy derivatives thereof], hydroxyimino, (1-4C)alkoxyimino, (1-4C)alkylS(O)q- (q is 0, 1 or 2), (1-4C)alkylSO2-NRv-, (1-4C)alkoxycarbonyl, -CONRcRv, -NRcRv (excluding geminal disubstitution), ORc, and phenyl (optionally substituted by one, two or three substituents independently selected from (1-4C)alkyl, (1-4C)alkoxy and halo)); wherein Rv is hydrogen or (1-IC)alkyl and Rc is as hereinafter defined; and wherein any (1-4C)alkyl group contained in the immediately preceding optional substituents (when R^{4h} and R^{5h} are independently (1-4C)alkyl) is itself optionally substituted by up to three substituents independently selected from hydroxy (not on C1 of an alkoxy group, and excluding geminal disubstitution), oxo, trifluoromethyl, cyano, nitro, (1-4C)alkoxy, (2-4C)alkanoyloxy, hydroxyimino (1-4C)alkoxyimino, (1-4C)alky!S(O)q- (q is 0, 1 or 2), (1-4C)alkyISO2-NRv-, (1-4C)alkoxycarbonyl, -CONRcRv, and -NRcRv (not on C1 of an alkoxy group, and excluding geminal disubstitution); wherein Rv is hydrogen or (1-4C)alkyl and Rc is as hereinafter defined;

or R4h is selected from one of the groups in (TAaa) to (TAab) below, or (where appropriate) one of R4h and R5h is selected from the above list of R4h and R5h values, and the other is selected from one of the groups in (TAaa) to (TAab) below :-

(TAaa) a group of the formula (TAaa1)

wherein Z^a is hydrogen or (1-40)alkyl;

Xº and Y⁰ are independently selected from hydrogen, (1-4C)alkyl, (1-4C)alkoxycarbonyl, halo, cyano, nitro, (1-4C)alkyl\$i(O)q- (q is 0, 1 or 2), RvRwNSO₂-, trifluoromethyl, pentafluoroethyl, (1-4C)alkancyl and -CONRvRw [wherein Rv is hydrogen or (1-4C)alkyl; Rw is hydrogen or (1-4C)alkyl];

(TAab) an acetylene of the formula -=-H or -=-(1-4C)alkyl;

wherein Rc is selected from groups (Rc1) to (Rc2) :-

(Rc1) (1-6C)alkyl (optionally substituted by one or more (1-4C)alkanoyl groups (including geminal disubstitution) and/or optionally monosubstituted by cyano, (1-4C)alkoxy, trifluoromethyl, (1-4C)alkoxycarbonyl, phenyl (optionally substituted as for AR1 defined

10/550,039 Amendment Dated: August 10, 2006

Page 6 of 12

(Rc2d)

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hereinafter), (1-4C)alkylS(O)q- (q is 0, 1 or 2); or, on any but the first carbon atom of the (1-6C)alkyl chain, optionally substituted by one or more groups (including geminal disubstitution) each independently selected from hydroxy and fluoro, and/or optionally monosubstituted by oxo, -NRvRw [wherein Rv is hydrogen or (1-4C)alkyl; Rw is hydrogen or (1-4C)alkyl], (1-6C)alkanoylamino, (1-4C)alkoxycarbonylamino, N-(1-4C)alkyl-N-(1-6C)alkanoylamino, (1-4C)alky|S(O)_DNH- or (1-4C)alky|S(O)_D-((1-4C)alky|)N- (p is 1 or 2)}; (Rc2) R13CO-, R13SO2- or R13CSwherein R13 is selected from (Rc2a) to (Rc2d) :-

hydrogen, (1-4C)alkoxycarbonyl, trifluoromethyl and -NRvRw [wherein Rv is hydrogen or (1-4C)alkyl; Rw is hydrogen or (1-4C)alkyl];

(Rc2b) (1-10C)alkyl (optionally substituted by one or more groups (including geminal disubstitution) each independently selected from hydroxy, (1-10C)alkoxy, (1-4C)alkoxy-(1-4C)alkoxy, (1-4C)alkoxy-(1-4C)alkoxy-(1-4C)alkoxy, (1-4C)alkanoyl, carboxy, phosphoryl [-O-P(O)(OH)₂, and mono- and di-(1-4C)alkoxy derivatives thereof], phosphiryl [-O-P(OH)₂ and mono- and di-(1-4C)alkoxy derivatives thereof], and amino; and/or optionally substituted by one group selected from phosphonate [phosphono, -P(O)(OH)2, and mono- and di-(1-4C)alkoxy derivatives thereof], phosphinate [-P(OH)₂ and mono- and di-(1-4C)alkoxy derivatives thereof], cyano, halo, trifluoromethyl, (1-4C)alkoxycarbonyl, (1-4C)alkoxy-(1-4C)alkoxycarbonyl, (1-4C)alkoxy-(1-4C)alkoxy-(1-4C)alkoxycarbonyl, (1-4C)alkylamino, di((1-4C)alkyl)amino, (1-6C)all:anoylamino, (1-4C)alkoxycarbonylamino, N-(1-4C)alkyl-N-(1-6C)alkanoylamino, (1-4C)alkylaminocarbonyl, di((1-4C)alkyl)aminocarbonyl, (1-4C)alkylS(O)pNH-, (1-4C)alkylS(O)p-((1-4C)alkyl)N-, fluoro(1-4C)alkylS(O)pNH-, fluorox(O)pNH-, fluorox(O)pNH-, fluorox(O)pNH-, fluorox(O)pNH-, fluorox(O)pNH-, fluorox(O)pNH-, fluorox(O)pNH-, fluorox(O)pNH-, fluor 4C)alkylS(O)p((1-4C)alkyl)N-, (1-4C)alkylS(O)q- [the (1-4C)alkyl group of (1-4C)alkylS(O)qbeing optionally substituted by one substituent selected from hydroxy, (1-4C)alkoxy, (1-4C)alkanoyl, phosphoryl [-O-P(O)(OH)₂, and mono- and di-(1-4C)alkoxy derivatives thereof], phosphiryl [-O-P(OH)2 and mo 10- and di-(1-4C)alkoxy derivatives thereof], amino, cyano, halo, trifluoromethyl, (1-4C)alkoxycarbonyl, (1-4C)alkoxy-(1-4C)alkoxycarbonyl, (1-4C)alkoxy-(1-4C)alkoxy-(1-4C)alkoxycarbonyl, carboxy, (1-4C)alkylamino, di((1-4C)alkyl)amino, (1-6C)alkanoylamino, (1-4C)alkoxycarbonylamino, N-(1-4C)alkyl-N-(1-6C)alkanoylamino, (1-4C)alkylaminocarbonyl, di((1-4C)alkyl)aminocarbonyl, (1-4C)alkylS(O)pNH-, (1-4C)alkylS(O)p-((1-4C)alkyl)N-, and (1-4C)alkylS(O)q-; R¹⁴C(O)O(1-6C)alkyl wherein R¹⁴ is AR1, AR2, (1-4C)alkylamino (the (1-(Rc2c) 4C)alkyl group being optionally substituted by (1-4C)alkoxycarbonyl or by carboxy), benzyloxy-(1-4C)alkyl or (1-10C)alkyl (optionally substituted as defined for (Rc2b)); R¹⁵O- wherein Fl¹⁵ is benzyl, (1-6C)alkyl (optionally substituted as defined for

10/550,039

Amendment Dated: August 10, 2006 Page 7 of 12

BEST AVAILABLE COPY

(Rc2c)) or AR2b;

wherein

AR1 is an optionally substituted phenyl or optionally substituted naphthyl;

AR2 is an optionally substituted 5- or 6-membered, fully unsaturated monocyclic heteroaryl ring containing up to four heteroatoms independently selected from O, N and S (but not containing any O-O, O-S or S-S bonds), and linked via a ring carbon atom, or a ring nitrogen atom if the ring is not thereby quaternised;

AR2a is a partially hydrogenated version of AR2, linked via a ring carbon atom or linked via a ring nitrogen atom if the ring is not thereby quaternised;

AR2b is a fully hydrogenated version of AR2, linked via a ring carbon atom or linked via a ring nitrogen atom.

- 2. (Canceled)
- (Canceled) 3.
- (Previously Presented) The compound of claim 1, wherein R2 and R3 are 4. independently hydrogen or fluoro.
- (Previously Presented) The compound of claim 1, wherein T is selected from TAa1, 5. TAa5, TAa7 and TAa8.
- (Previously Presented) The compound of claim 1, wherein R1 is selected from R1 a to 6. R1d.
- (Currently Amended) The compound of claim 1, which is a compound of formula (IB) 7.

wherein -N-HET-is 1,2,3-triazed 1-yl or tetrazol 2-yl;

R1 is (1-4C)alkyl;

R2 and R3 are independently hydrogen or fluoro; and

T is selected from TAa1, TAa5, TAa7 and TAa8.

10/550,039

Page 8 of 12

Amendment Dated: August 10, 2006

BEST AVAILABLE COPY

- 8. (Canceled)
- (Previously Presented) A method for producing an antibacterial effect in a warm blooded animal which comprises administering to said animal an effective amount of a compound of claim 1.
- 10. (Canceled)
- (Canceled) 11.
- (Previously Presented) A pharmaceutical composition which comprises a compound 12. of claim 1, and a pharmaceutically-acceptable diluent or carrier.
- (Currently Amended) A. process for the preparation of a compound of formula (I) as 13. claimed in Claim 1 or pharmaceutically acceptable salts or pro-drug or in-vivo hydrolysable esters thereof, which process comprises one of processes (a) to (g): the process of (a) by modifying a substituent in, or introducing a new substituent into, the substituent group Q of another compound of formula (I) + er
- (b) by reaction of a compound of formula (II):

(11)

wherein Y is a displaceable group with a compound of the formula (III) :

N HET

(III)

wherein- N HET (of formula-(Ia) to (If), already-substituted and optionally protested) is HN HET (free-base form) or N HET anion formed from the free base form; or (c) by reaction of a compound of the formula (IV) :

Q-Z

(IV)

wherein Z is an isocyanate, arnine or urethane group with an epoxide of the formula (V) wherein the epoxide group-serves as a leaving group at the terminal C-atom-and as a

10/550,039 Amendment Dated: August 10, 2006

Page 9 of 12

BEST AVAILABLE COPY

protected hydroxy group at the internal C-atom; or with a related-compound of formula (VI) where

the hydroxy group at the internal C-atem is protected and where the leaving group Y at the terminal-C-atom-is-a-leaving-group;

Of

(d) (i) by coupling, using-catelysis-by-transition metals, of a compound of formula (VII) :

wherein Y' is a group N HET as hereinbefore defined, X-is a replaceable substituent; with a compound of the formula (VIII), or an analogue thereof, which is suitable to give a T substituent as defined by (TA:11 TA:12) in which the link is via an sp² carbon atom (D = CH=C-Lg where Lg is a leavir g-group; or as in the case of reactions carried out under Hock reaction-conditions Lg may altie be hydrogen)

where T1 and T2 may be the same or different and comprise a precursor to a ring of type T as hereinbefore defined, or T₄-and T₂ may together with D form a ring of type T as hereinbefore defined;

(d) (ii) by coupling, using catalysis by transition metals, of a compound of formula (VIIA):

wherein Y' is a group HET as hereinbefore defined, with a compound [Aryl]-X

10/550,039

Amendment Dated: August 10, 2006

Page 10 of 12

BEST AVAILABLE COPY

where X-is-a-replaceable substituent;

(e) Where N-HET is 1,2,3-triazele by cycloaddition-via the azide (wherein Y in (II) is azide), with a substituted acetylene or masked acetylene;

(f) Where N-HET is 1,2,3 triazele by synthesis with a compound of formula (IX), namely the arenesulfenylhydrazone of acetaldehyde, by reaction of a compound of formula (II) where Y = NH₂ (primary amine);

$$\begin{array}{c} C \\ Q \\ N \\ N \\ N \\ N \\ Y' \\ M \\ H \end{array}$$

(g) Where N-HET is 1,2,3 triazele by cycleaddition via the azide (wherein Y in (II) is azide) with acetylene using Cu⁽¹⁾ catalysis in to give the N-1,2,3 triazele;

$$Q = N$$

$$(H : Y = N_3)$$

and thereafter if necessary:

- i) removing any protecting groups;
- ii) forming a pro-drug (for example an in-vivo hydrolysable ester); and/or
- iii) forming a pharmaceutically-acceptable salt.
- 14. (Previously Presented) A compound which is:

(5R)-3-[3-Fluoro-4-(3-methylisoxazol-5-yl)phenyl]-5-[(4-methyl-1H-1,2,3-triazol-1-yl)methyl]-1,3-oxazolidin-2-one

(5R)-3-(4-Isoxazol-3-ylphenyl)-5-[(4-methyl-1H-1,2,3-triazol-1-yl)methyl]-1,3-oxazolidin-2-one; or

(5R)-3-[4-(1-Benzyl-1H-1,2,3-triazol-4-yl)-3-fluorophenyl]-5-[(4-methyl-1H-1,2,3-triazol-1-yl)methyl]-1,3-oxazolldin-2-one.